

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067037.D
 Acq On : 02 Oct 2020 15:58
 Operator : VA/SY
 Sample : L4213-09
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-17(3-4)

Quant Time: Oct 03 04:48:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	490304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	805840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	738151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	339332	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	231029	48.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.84%	
35) Dibromofluoromethane	7.92	113	258862	49.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.14%	
50) Toluene-d8	10.34	98	954282	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.63	95	334989	51.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.66%	

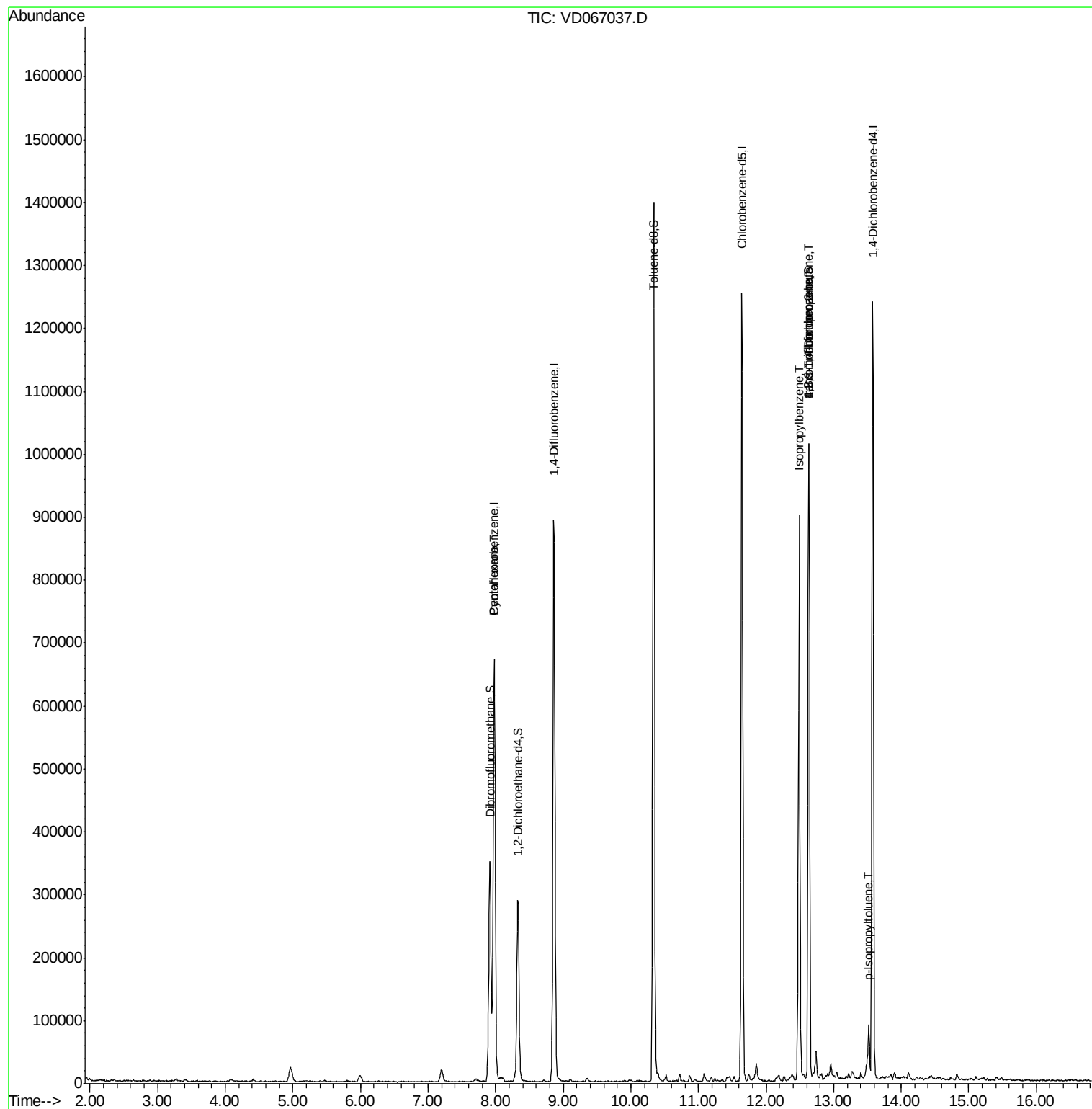
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1778	Below Cal		94
5) Bromomethane	2.79	94	987	Below Cal		86
11) Tert butyl alcohol	5.23	59	155	Below Cal	#	72
20) Methylene Chloride	4.96	84	18450	Below Cal	#	78
26) 2,2-Dichloropropane	7.17	77	687	Below Cal		80
31) Cyclohexane	7.98	56	11587	1.634	ug/l #	24
73) Isopropylbenzene	12.48	105	46331	2.011	ug/l #	72
76) 1,2,3-Trichloropropane	12.63	75	168551	57.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	168551	142.173	ug/l #	12
86) p-Isopropyltoluene	13.52	119	44009	2.056	ug/l	91

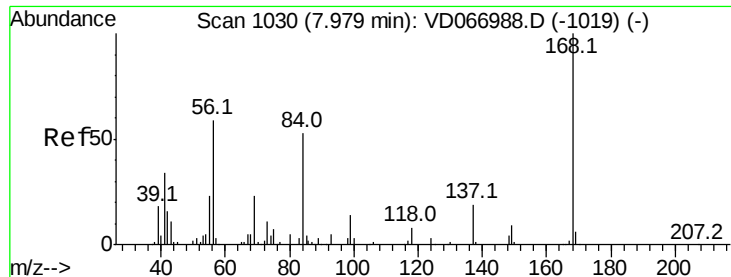
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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B-17(3-4)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

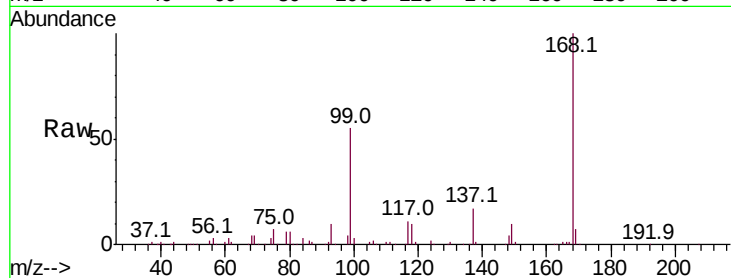
B-17(3-4)

Tot Ion:168 Resp: 490304

Ion Ratio Lower Upper

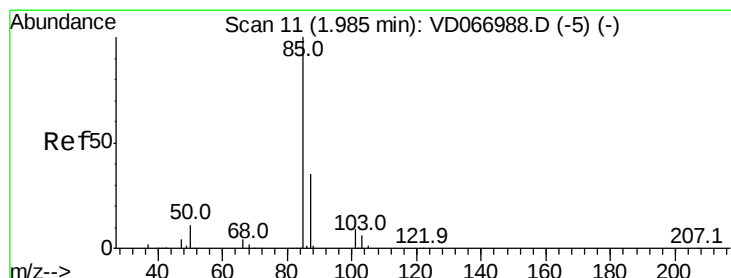
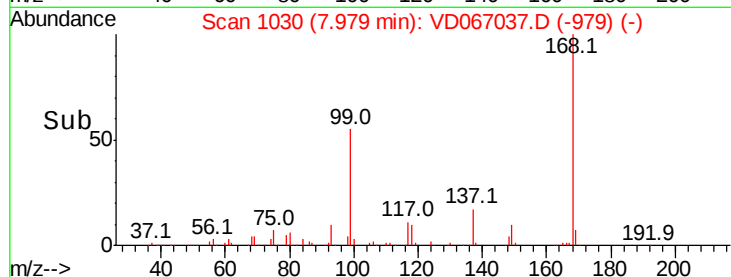
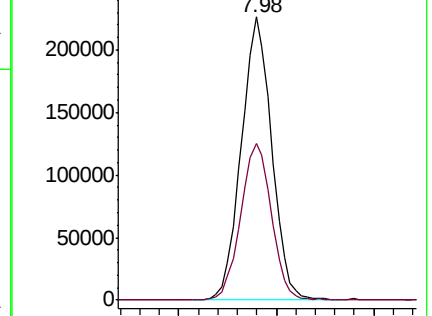
168 100

99 55.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067037.D

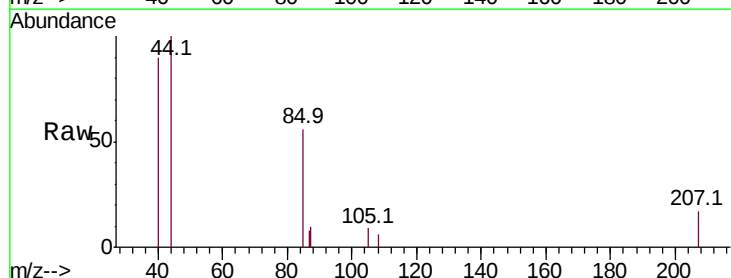
Acq: 02 Oct 2020 15:58

Tgt Ion: 85 Resp: 1778

Ion Ratio Lower Upper

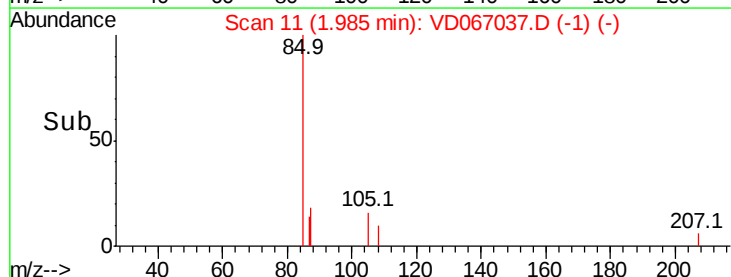
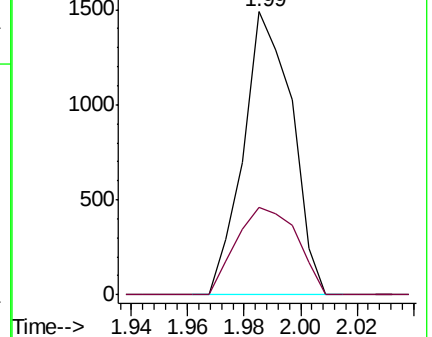
85 100

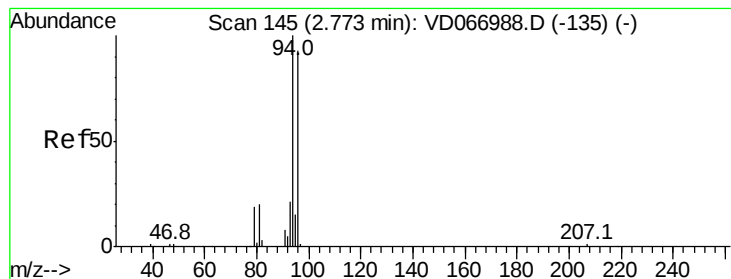
87 31.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

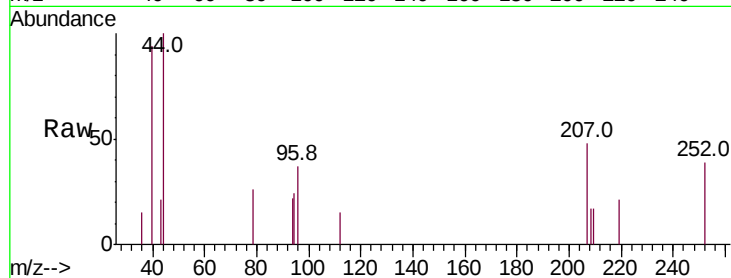
B-17(3-4)

Tot Ion: 94 Resp: 987

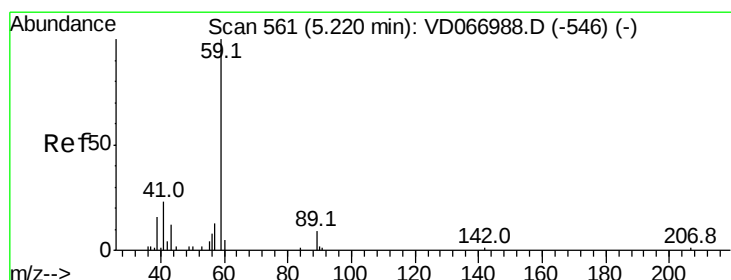
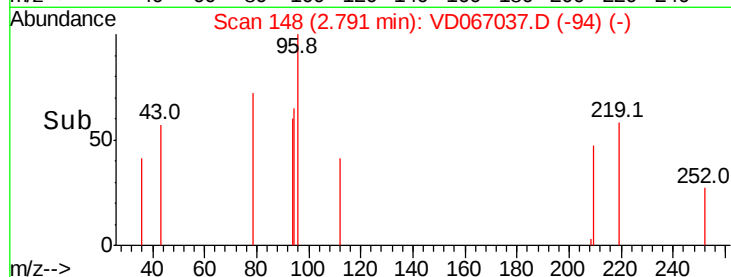
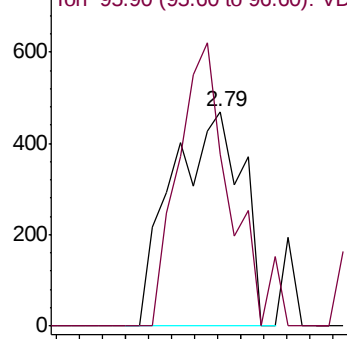
Ion Ratio Lower Upper

94 100

96 80.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067037.D

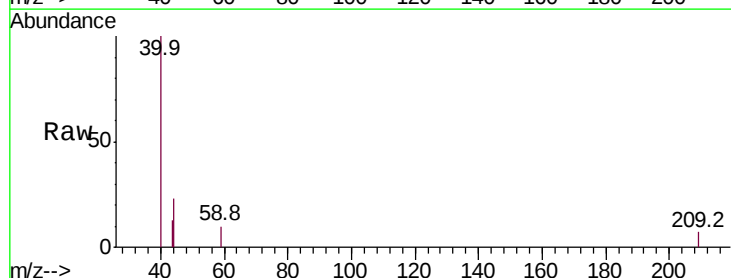
Acq: 02 Oct 2020 15:58

Tgt Ion: 59 Resp: 155

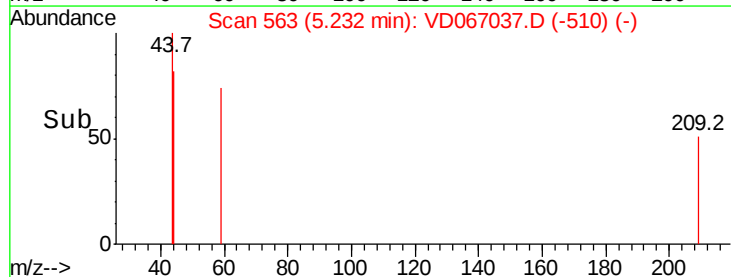
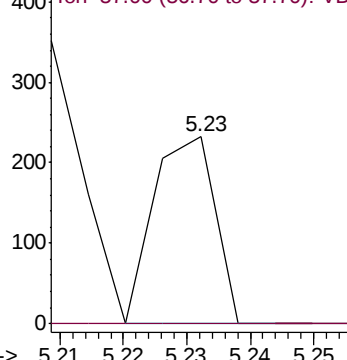
Ion Ratio Lower Upper

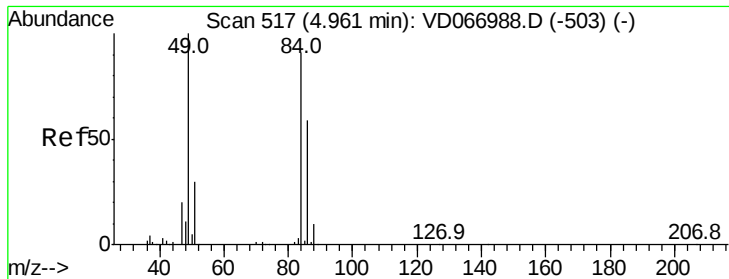
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

B-17(3-4)

Tot Ion: 84 Resp: 18450

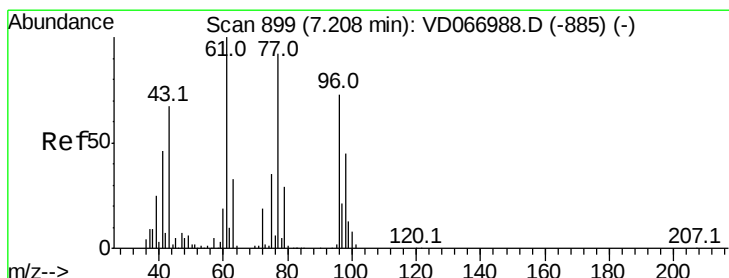
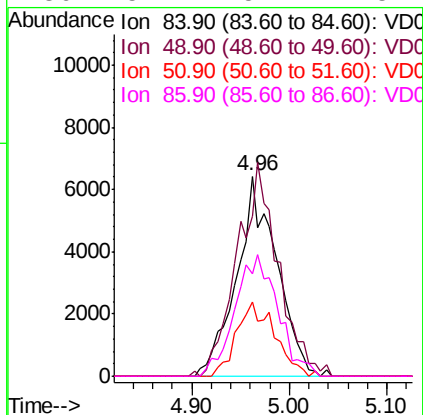
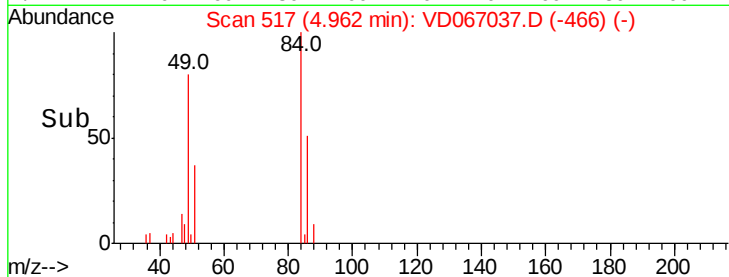
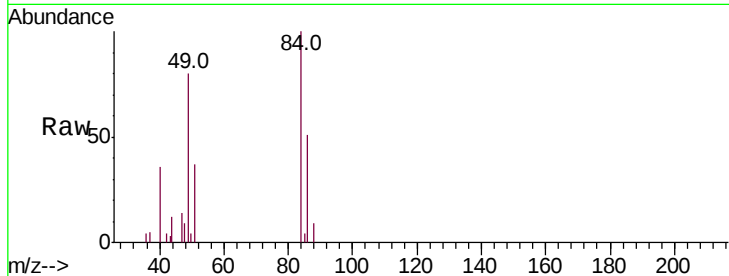
Ion Ratio Lower Upper

84 100

49 80.2 88.2 132.2#

51 37.2 26.6 39.8

86 51.1 52.1 78.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 893

Delta R.T. -0.03 min

Lab File: VD067037.D

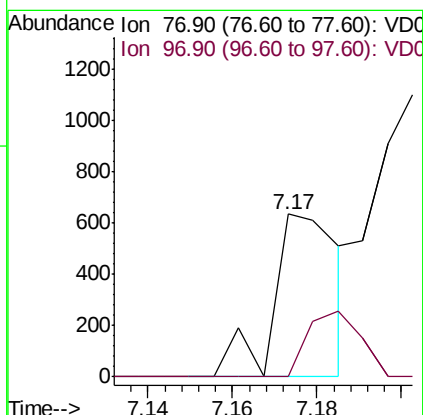
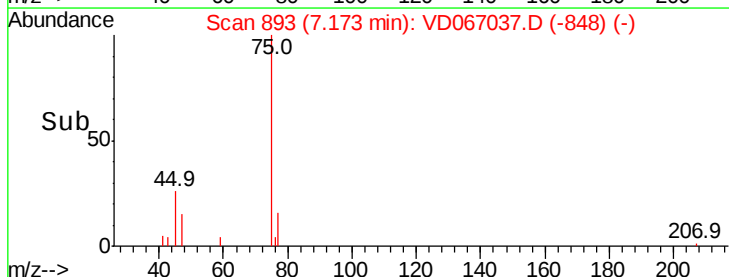
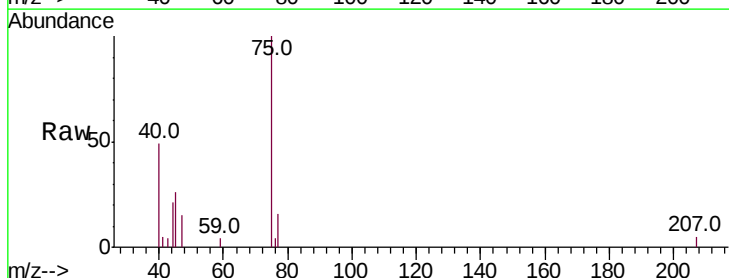
Acq: 02 Oct 2020 15:58

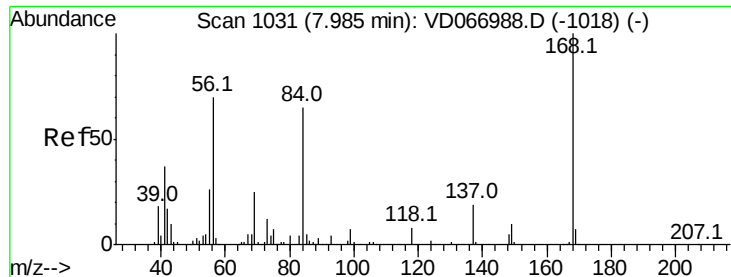
Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

77 100

97 32.3 11.4 34.2

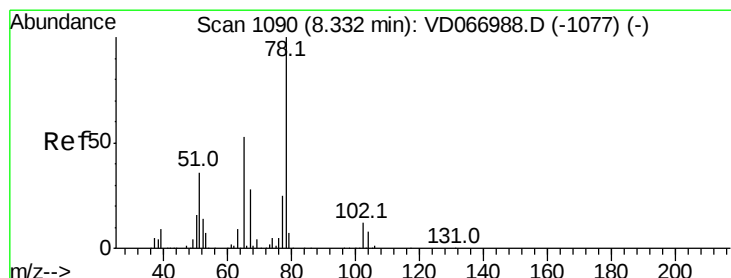
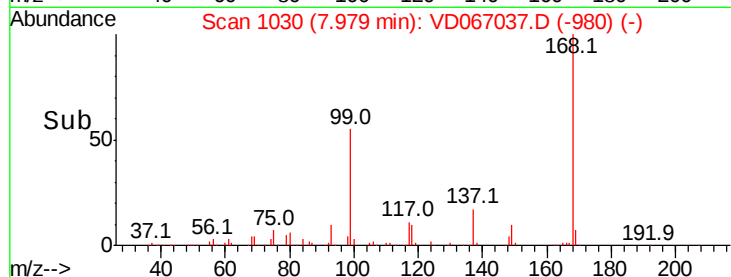
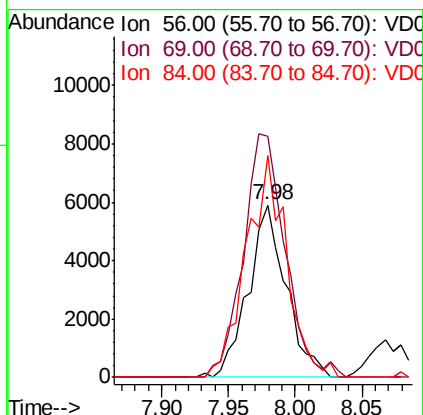
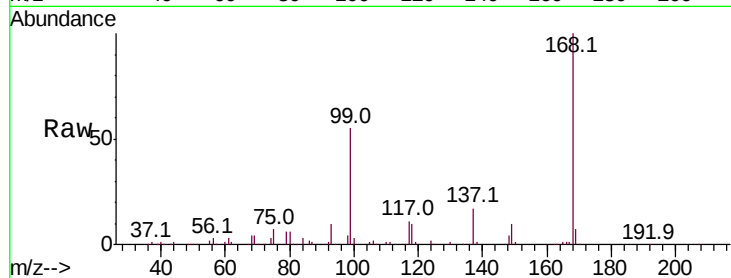




#31
Cyclohexane
Concen: 1.634 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

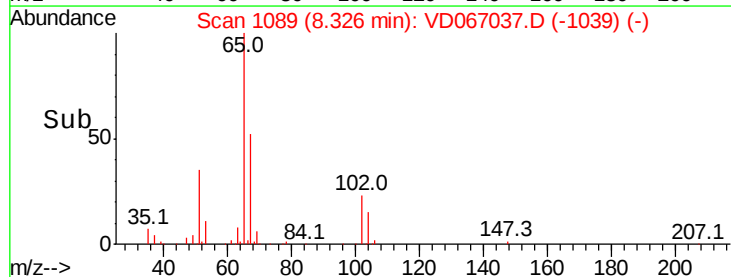
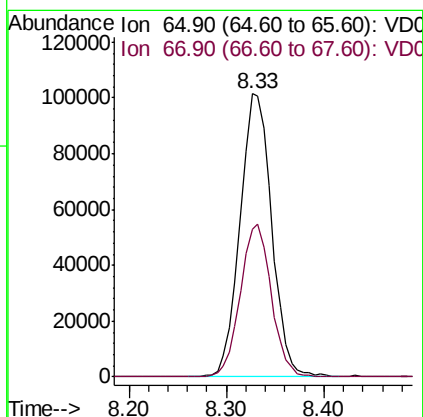
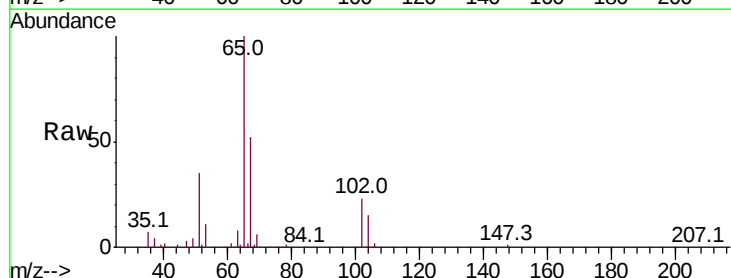
Instrument :
MSVOA_D
ClientSampled :
B-17(3-4)

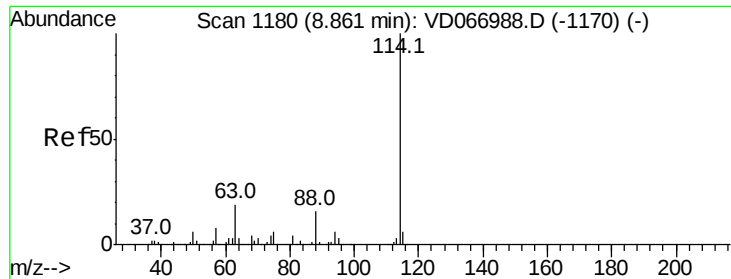
Tot Ion: 56 Resp: 11587
Ion Ratio Lower Upper
56 100
69 140.2 29.0 43.6#
84 128.5 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 48.920 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Tgt Ion: 65 Resp: 231029
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

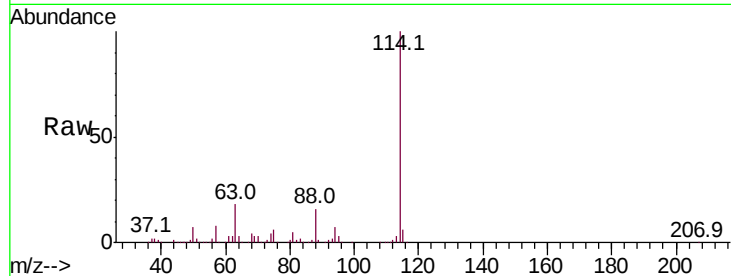




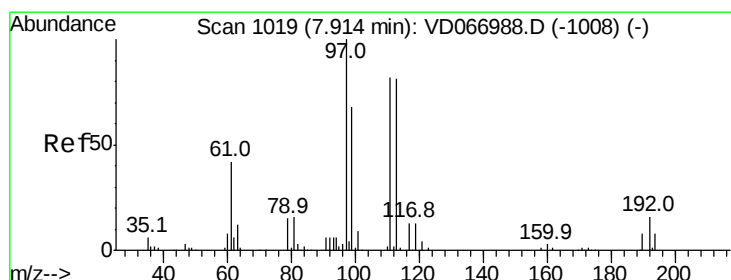
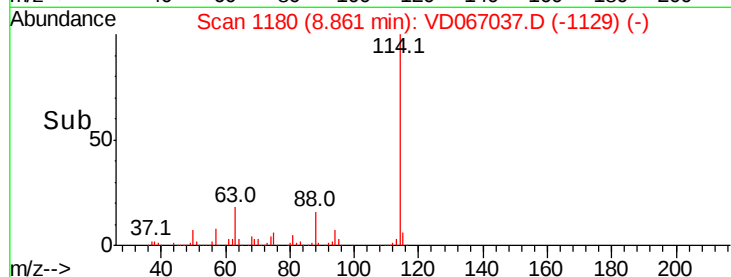
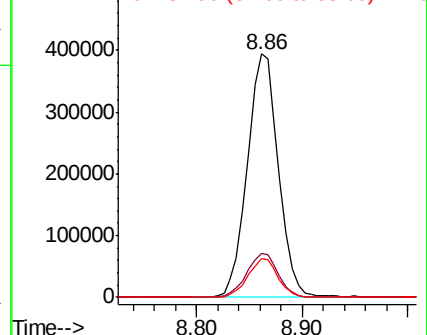
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Instrument :
MSVOA_D
ClientSampled :
B-17(3-4)

Tot Ion:114 Resp: 805840
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 16.1 0.0 31.2

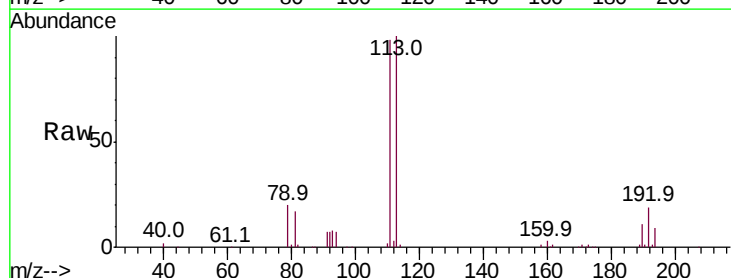


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

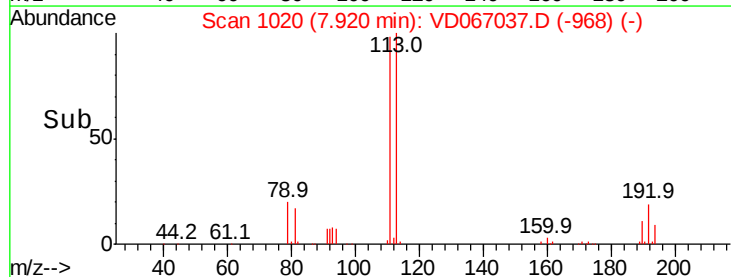
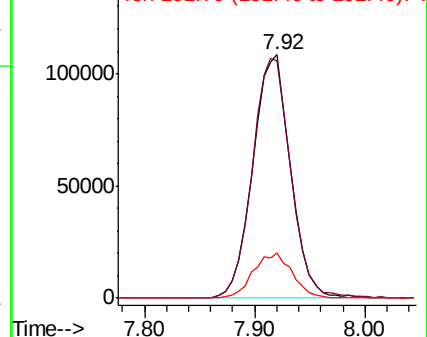


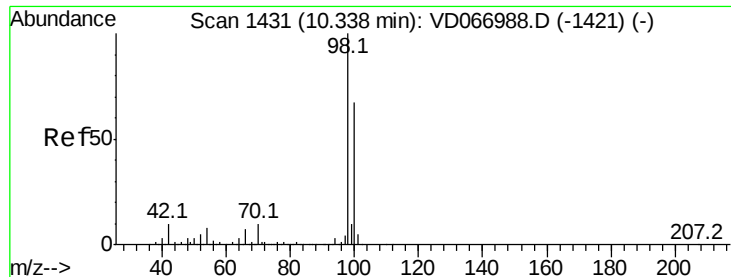
#35
Dibromofluoromethane
Concen: 49.067 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Tgt Ion:113 Resp: 258862
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.4
192 19.3 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.640 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

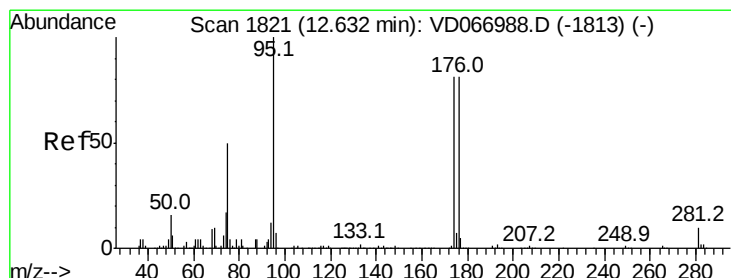
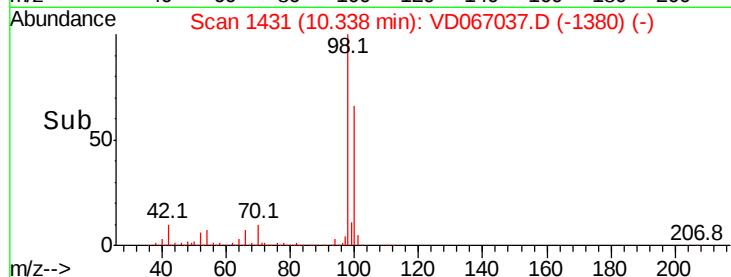
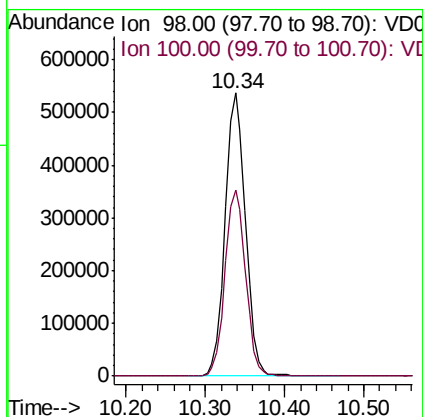
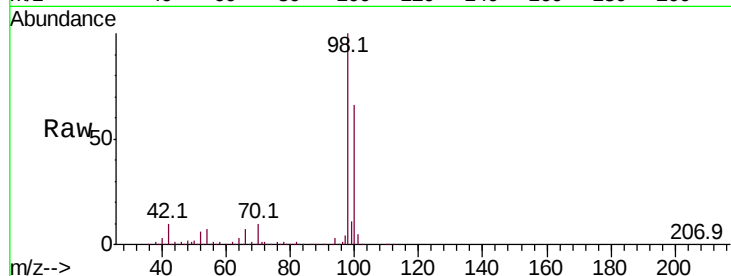
B-17(3-4)

Tot Ion: 98 Resp: 954282

Ion Ratio Lower Upper

98 100

100 66.6 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 51.331 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

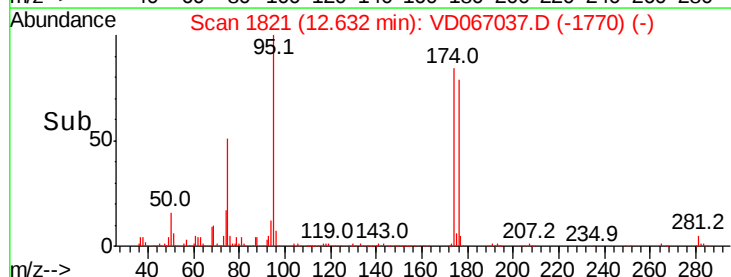
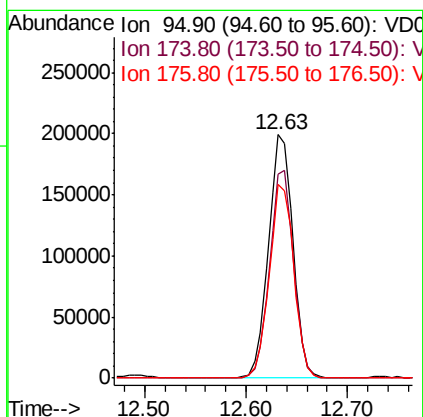
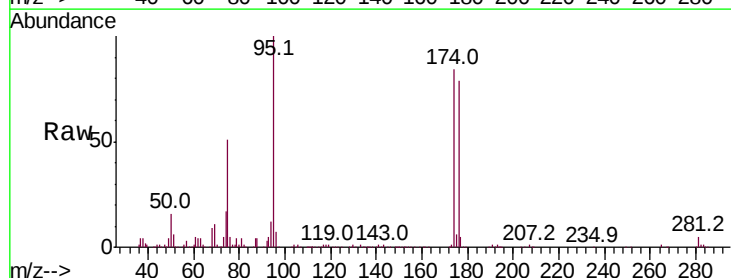
Tgt Ion: 95 Resp: 334989

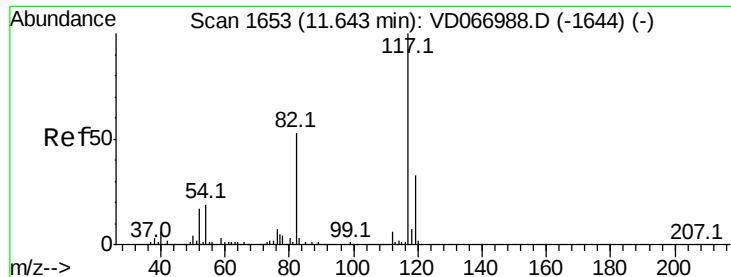
Ion Ratio Lower Upper

95 100

174 83.4 0.0 167.6

176 79.5 0.0 162.4

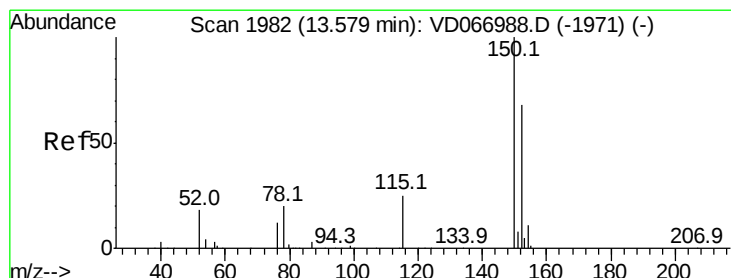
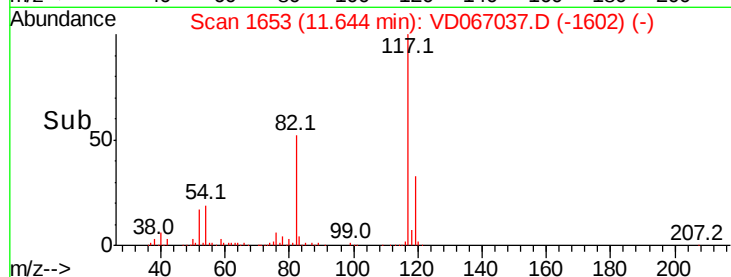
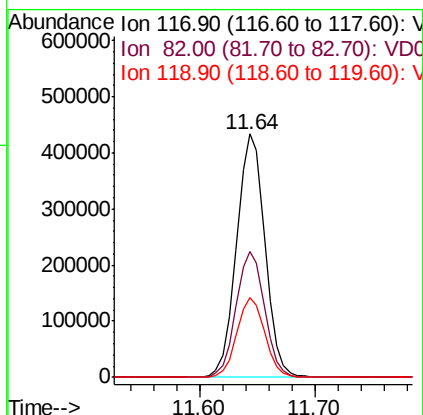
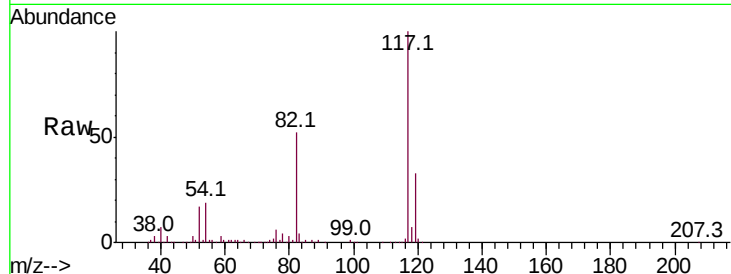




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

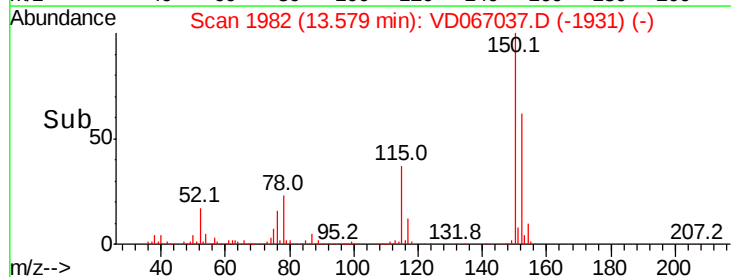
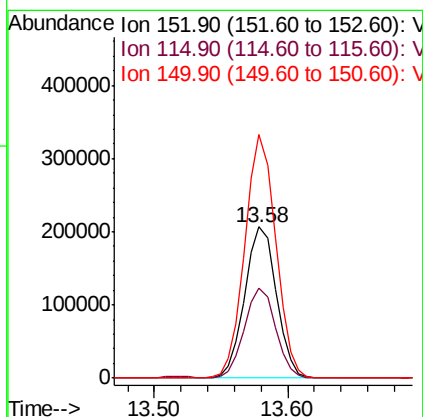
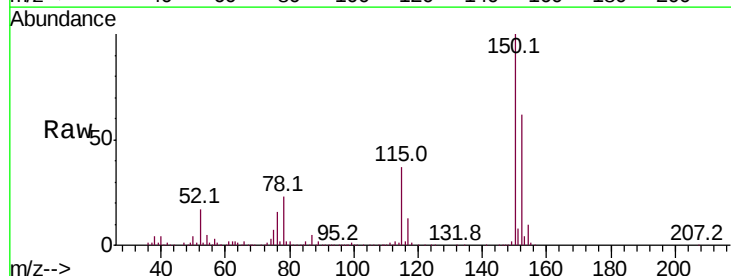
Instrument :
MSVOA_D
ClientSampleId :
B-17(3-4)

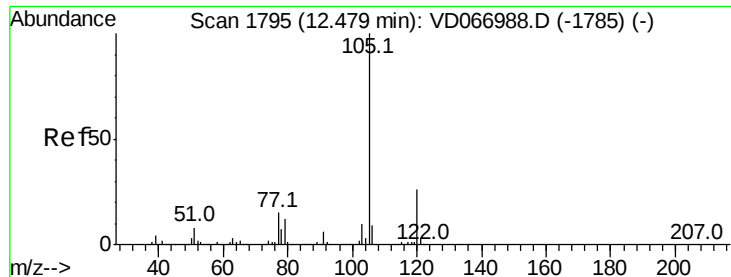
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	63.8
119	32.5	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.6	88.8
150	157.1	0.0	344.8





#73

Isopropylbenzene

Concen: 2.011 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067037.D

Acq: 02 Oct 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

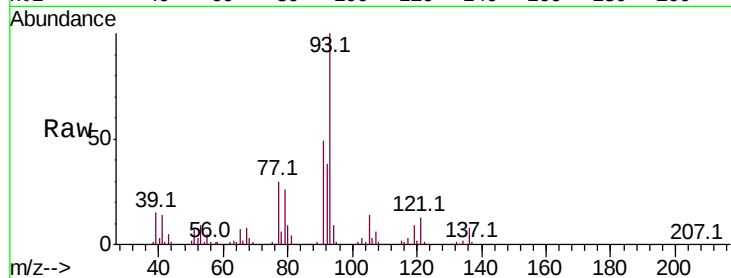
B-17(3-4)

Tot Ion:105 Resp: 46331

Ion Ratio Lower Upper

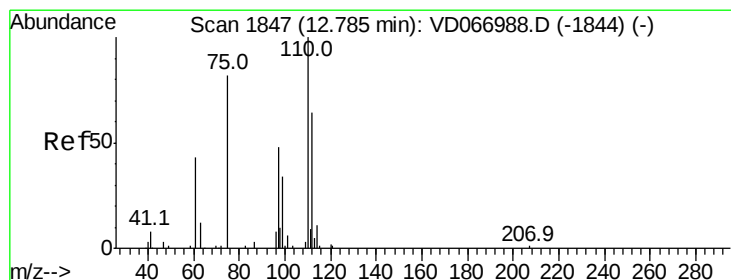
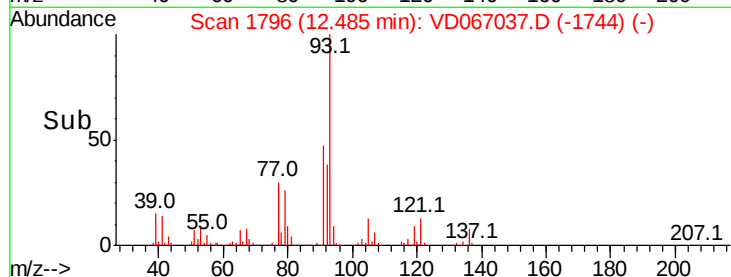
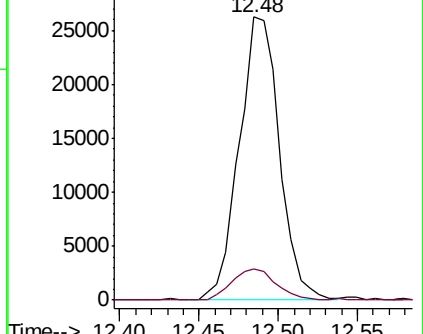
105 100

120 12.0 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 57.026 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067037.D

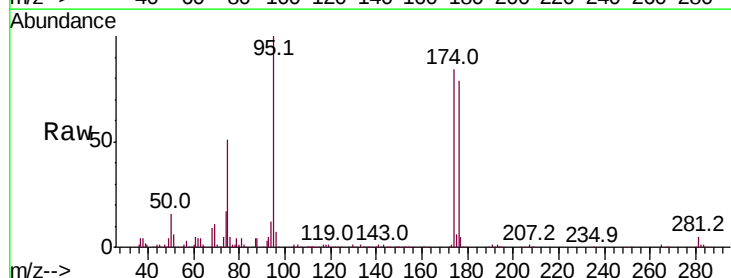
Acq: 02 Oct 2020 15:58

Tgt Ion: 75 Resp: 168551

Ion Ratio Lower Upper

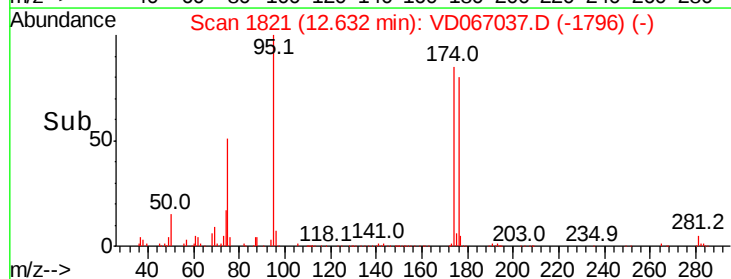
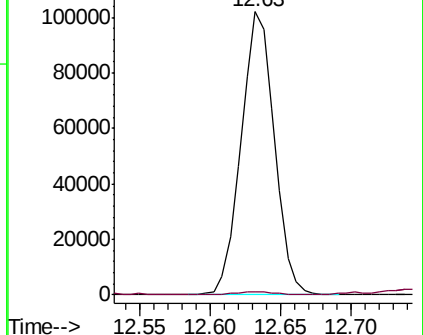
75 100

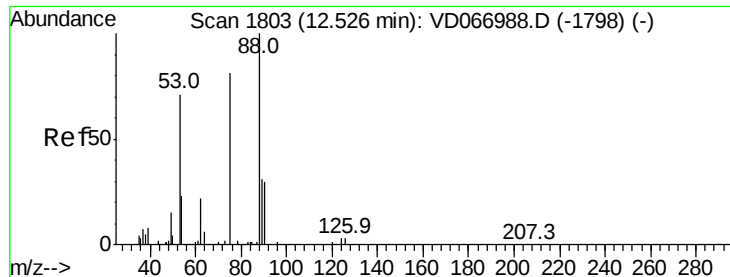
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

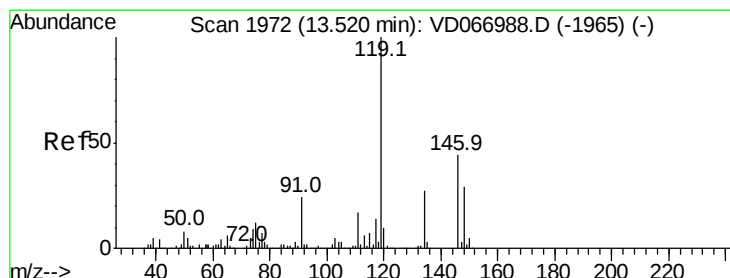
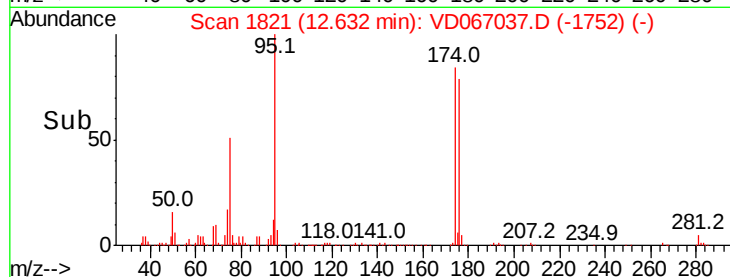
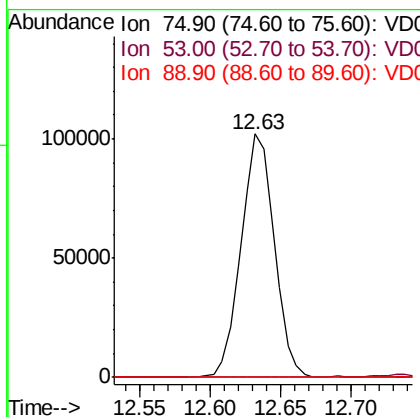
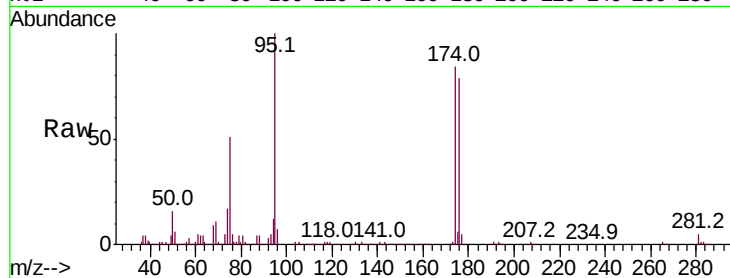




#81
trans-1,4-Dichloro-2-butene
Concen: 142.173 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.11 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
B-17(3-4)

Tot Ion: 75 Resp: 168551
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 38.9 58.3#



#86
p-Isopropyltoluene
Concen: 2.056 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067037.D
Acq: 02 Oct 2020 15:58

Tgt Ion: 119 Resp: 44009
Ion Ratio Lower Upper
119 100
134 28.8 13.1 39.1
91 29.7 11.7 35.1

